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# MEAN WELL

## SWITCHING POWER SUPPLY

**ISO-9001 CERTIFIED MANUFACTURER**

## U65S SINGLE SERIES

**Jameco Part Number 221436 (U65S106-P2JU)**

| | |
|---|---|
| .UNIVERSAL AC INPUT/FULL RANGE | .OVER VOLTAGE PROTECTION |
| .IEC320-C14(3PIN INLET) | .SHORT CIRCUIT PROTECTED |
| .LED INDICATION FOR POWER ON | .100% FULL LOAD BURN-IN TEST |
| .WITH AC ON-OFF SWITCH(OPTIONAL) | .3~48V OUTPUT(OPTIONAL) |
| .FULLY ENCLOSED PLASTIC CASE | .APPROVALS:UL/CUL/TUV/CE |
| .100% FULL LOAD BURN-IN TEST | .1YEAR WARRANTY |

| ORDER NO. / SPECIFICATION | U65S105-yyy | U65S106-yyy | U65S107-yyy | U65S108-yyy | U65S109-yyy | U65S111-yyy |
|---|---|---|---|---|---|---|
| SAFETY MODEL NO. | SPU65-105 | SPU65-106 | SPU65-107 | SPU65-108 | SPU65-109 | SPU65-111 |
| DC OUTPUT VOLTAGE | 12V | 15V | 18V | 24V | 27V | 48V |
| OUTPUT V. TOLERANCE | ±5% | ±4% | ±3% | ±3% | ±3% | ±3% |
| OUTPUT RATED CURRENT | 6.66A | 5.33A | 4.44A | 3.33A | 2.96A | 1.66A |
| OUTPUT CURRENT RANGE | 0-6.66A | 0-5.33A | 0-4.44A | 0-3.33A | 0-2.96A | 0-1.66A |
| RIPPLE & NOISE | 100mVp-p | 100mVp-p | 120mVp-p | 150mVp-p | 180mVp-p | 240mVp-p |
| LINE REGULATION | ±1% | ±1% | ±1% | ±1% | ±1% | ±1% |
| LOAD REGULATION | ±5% | ±4% | ±3% | ±3% | ±3% | ±3% |
| MAX. DC OUTPUT POWER | 80W | 80W | 80W | 80W | 80W | 80W |
| EFFICIENCY | 75% | 76% | 77% | 78% | 80% | 81% |

| | |
|---|---|
| DC VOLTAGE ADJ. | FIXED |
| INPUT VOLTAGE RANGE | 95~264VAC, 47~63Hz |
| AC CURRENT | 1.9A/100VAC |
| INRUSH CURRENT | COLD START < 40A PEAK/230VAC |
| LEAKAGE CURRENT | <0.75mA/240VAC |
| OVERLOAD PROTECTION | HICCUP MODE; AUTO RECOVERY |
| OVER VOLTAGE PROTECTION | 110%~140% OF RATED OUTPUT VOLTAGE |
| TEMP. COEFFICIENT | ±0.03% / ℃ (0~50℃) |
| SETUP,RISE,HOLD UP TIME | 800ms, 50ms, 16ms AT FULL LOAD AND 230VAC |
| VIBRATION | 10~500Hz, 2G 3AXES 10min. / 1cycle ( 1 HOUR / EACH AXES ) |
| WITHSTAND VOLTAGE | I/P-O/P:3KVAC I/P-FG:1.5KVAC FOR 1MINUTE |
| ISOLATION RESISTANCE | I/P-O/P,I/P-FG: 100M Ohms min. @ 500VDC |
| WORKING TEMP., HUMIDITY | 0℃~+25℃ @ 100% LOAD,40℃ @ 60% LOAD, 20%~90% RH |
| STORAGE TEMP., HUMIDITY | -20℃~+85℃, 10%~95% RH |
| DIMENSION | 168*78.5*44.5mm (L*W*H) |
| WEIGHT; Q'TY/CARTON | 0.75Kgs; 20PCS/CARTON |
| SAFETY STANDARDS | UL1950,TUV EN60950 APPROVED |
| EMC STANDARDS | EN55022 CLASS B, EN61000-4-2,3,4,5,6,8,11 VERIFICATION |
| LENGTH OF OUTPUT CABLE | 180cm OF SPT-1, 18AWG*2C |
| PLUG OF DC OUTPUT | STANDARD PLUG P2J : 2.1¢*5.5¢*11mm CENTER POSITIVE<br>yyy:TO BE DEFINED BY OUTPUT CABLE AND CONNECTOR |

NOTE:
1. ALL PARAMETERS ARE SPECIFIED AT 230VAC INPUT, RATED LOAD, 25℃ 70% RH. AMBIENT.
2. TOLERANCE: INCLUDE SET UP TOLERANCE, LINE REGULATION, LOAD REGULATION.
3. RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
4. LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
5. LOAD REGULATION IS MEASURED FROM 0% TO 100% RATED LOAD.

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